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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/848,634	05/03/2001	Rigby Jacobs Heusinkveld	10007175-1	7845

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HEWLETT-PACKARD COMPANY
Intellectual Property Administration
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EXAMINER

PHAM, THIERRY L

ART UNIT PAPER NUMBER

2624

DATE MAILED: 11/15/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/848,634

Applicant(s)

HEUSINKVELD, RIGBY JACOBS

Examiner

Thierry L Pham

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 03 May 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-17 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-17 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- 1) ☐ Certified copies of the priority documents have been received.
 - 2) ☐ Certified copies of the priority documents have been received in Application No. _____.
 - 3) ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 12/16/01
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

Specification

1. An updated status of the applications cited on pages 1-2 of the specification is required (i.e. patent number if the application have already been issued).

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 1-17 are rejected under 35 U.S.C. 102(b) as being anticipated by Hirst et al (U.S. 5930553).

Regarding claim 1, Hirst discloses a consumable (toner cartridge 18, fig. 1) for a device (i.e. printer 10, fig. 1) in communication with a host device (host device 20, fig. 1), said consumable comprising:

- a housing (housing 18, fig. 1) ;
- a nonvolatile memory (nonvolatile memory 19, fig. 1);
- consumable-related information (i.e. consumable manufacturing codes, fig. 4, col. 3, lines 15-32 and col. 5, lines 5-25) originally stored on said nonvolatile memory; and
- a communication interface (communication interface 15, fig. 1) for facilitating communication with said device (communication with host device, fig. 1), wherein said host device accesses (host accesses nonvolatile memory 19 for consumable related-information stored within, col. 3, lines 50-55 and cols. 5-6) said consumable-related information through said device.

Regarding claim 2, Hirst further discloses the consumable of claim 1 wherein said device is an image forming device (printer 10, fig. 1) and includes image forming material (toner, col. 5, lines 5-25) contained in said housing for use in forming images.

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Regarding claim 3, Hirst further discloses the consumable of claim 1 wherein said device and said host device are configured as a single system (system, fig. 1).

Regarding claim 4, Hirst further discloses the consumable of claim 1 wherein said host device is a discrete device (standalone host, fig. 1) operably connectable to said device (fig. 1).

Regarding claim 5, Hirst further discloses the consumable of claim 4 wherein said host device comprises a general purpose computer (host computer, fig. 1).

Regarding claims 6-10: Claims 6-10 are the methods corresponding the apparatus and recite limitations that are similar and in the same scope of invention as to those in claims 1-5; therefore, claims 6-10 are rejected for the same rejection rationale/basis as described in claims 1-5 above.

Regarding claim 11, Hirst further discloses a processing system (fig. 1) comprising: means for controlling functions (host device, fig. 1) of said processing system; means for originally storing consumable-oriented information (memory 19, fig. 1) on a consumable of said processing system; means for selecting portions of said consumable-oriented information (cols. 3-6); means for communicating (interface 15, fig. 1) said consumable-oriented information from said consumable to said means for controlling; and means for providing (host device, fig. 1) said selected portions of said consumable-oriented information to a user (cols. 3-6).

Regarding claim 12, Hirst further discloses the system of claim 11 wherein said means for communicating include: means for interfacing (interface bus, fig. 1) said consumable with said processing system.

Regarding claim 13, Hirst further discloses The system of claim 11 wherein said means for providing comprises a video monitor (monitor, col. 5, lines 25-35).

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Regarding claim 14, Hirst further discloses the system of claim 11 wherein said means for providing comprise: means for printing (printer 10, fig. 1).

Regarding claim 15, Hirst further discloses the system of claim 11 further comprising: means for coupling (ref. 15, fig. 1) a host system to said processing system.

Regarding claim 16, Hirst further the system of claim 15 wherein said host system comprises a general purpose computer (host computer, fig. 1).

Regarding claim 17, Hirst further The system of claim 15 wherein said means for providing is operably connected (fig. 1) to said host system.

Conclusion

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The following patents/publications are relevant to applicant's disclosure invention.

- U.S. 6385407 to Inose, discloses a toner/ink cartridge with memory storage device for storing consumable related-information such as manufacture's information, ink consumable information, and etc.
- U.S. 6113208 to Benjamin, discloses a toner/ink cartridge with memory storage device for storing consumable related-information such as manufacture's information, ink consumable information, and etc.

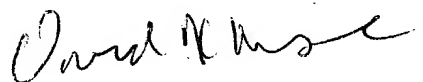
5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thierry L Pham whose telephone number is (703) 305-1897. The examiner can normally be reached on M-F (9:30 AM - 6:00 PM).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David K Moore can be reached on (703)308-7452. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Thierry L. Pham



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